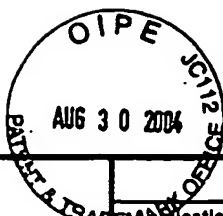


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/826,161
		Filing Date	April 15, 2004
		First Named Inventor	Zeng
		Group Art Unit	2177 — 2162
		Examiner Name	FLEWANTIN
Sheet 1	of 2	Attorney Docket Number	MS1-1889US

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
inf		CHAKRABARTI S. "Data Mining for Hypertext: A tutorial survey" SIGKDD Explorations vol 1 issue 2, January 2000, 11 pages	
inf		COHN et al.; "The Missing Link - A Probabilistic Model of Document Content and Hypertext Connectivity" Proceedings of Neural Information Processing Systems, 2001; 7 pages	
inf		DHILLON et al.; "Efficient Clustering of Very Large Document Collections" Data Mining, for Scientific and Engineering Applications, Chapter 1, Kluwer Academic Publishers, 2001, pages 1-25	
inf		LIU et al.; "Clustering Through Decision Tree Construction" 9th International Conference on Information and Knowledge Management, 2000, 10 pages	
inf		KLEINBERG J. M.; "Authoritative Sources in a Hyperlinked Environment" Proceedings of the ACM-SIAM Symposium on Discrete Algorithms, 1998, 34 pages	
inf		HEER et al.; "Identification of Web User Traffic Composition using Multi-Modal Clustering and Information Scent" 1st SIAM ICDM Workshop on Web Mining, Chicago 2001. 13 pages	
inf		GIBSON et al.; "Inferring Web Communities from Link Topology" Proceedings of the 9th ACM Conference on Hypertext and Hypermedia, 1998, 17 pages	
inf		NEVILLE et al.; "Iterative Classification in Relational Data" Proceedings AAAI-2000 Workshop on Learning Statistical Models from Relational Data, AAAI Press 2000, pages 42-49	
inf		STEINBACH et al.; "A Comparison of Document Clustering Techniques" 6th ACM SIGKDD World Text Mining Conference Boston, 2000, 2 pages	
inf		SU et al.; "Correlation-based Document Clustering using Web Logs" Proceedings of the 34th Hawaii International Conference on System Sciences, 2001, 7 pages	
inf		TASKAR et al.; "Probabilistic Classification and Clustering in Relational Data" Proceedings of the 34th Hawaii International Conference on System Sciences. 2001. 7 pages	

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		Application Number	10/826,161		
		Filing Date	April 15, 2004		
		First Named Inventor	Zeng		
		Group Art Unit	2477- 2/LV		
		Examiner Name	FLENTAINTIN		
Sheet	2	of	2	Attorney Docket Number	MS1-1889US

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1mf		UNGER et al.; "Clustering Methods for Collaborative Filtering" In Workshop on Recommendation System at the 15th National Conference on Artificial Intelligence, 1998, 16 pages	
1mf		WEN et al.; "Query Clustering Using User Logs" ACM Transactions on Information Systems vol 20 no 1; January 2002, pages 59-81	
1mf		ZENG et al; "A Unified Framework for Clustering Heterogeneous Web Objects" Proceedings of the 3rd International Conference of Web Information System Engineering, Singapore 2002, 10 pages	
1mf		"Open Directory Project" http://dmoz.org/ Netscape 1998-2004 1 page	
1mf		BERKHIN P.; "Survey of Clustering Data Mining Techniques" Accrue Software Inc.; 2002 pgs 1-56	
1mf		CHEN et al.; "Building a Web Thesaurus from Web Link Structure" SIGIR 2003, Toronto Canada; 8 pages	
1mf		ZENG et al.; "CBC: Clustering Based Text Classification Requiring Minimal Labeled Data" November 2003, Melbourne Florida, p. 443	
1mf		YANG et al.; "A Comparative Study on Feature Selection in Text Categorization" Proceedings of the Fourteenth International Conference on Machine Learning, Morgan Kaufmann Publishers Inc., San Francisco 1997, Pages: 412 - 420	
1mf		SLATTERY et al; "Combining Statistical and Relational Methods for Learning in Hypertext Domains" Proceedings of the 8th International Conference on Inductive Logic Programming (ILP-98), 1998, pgs 38-52	

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Application Number	10/826,161
Filing Date	4/15/2004
First Named Inventor	Zeng et al.
Art Unit	2/42
Examiner Name	FLEHRANTIN
Attorney Docket Number	MS1 - 1889US

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	Filing Date		2004-04-15
	First Named Inventor	Hua-Jun Zeng et al.	
	Art Unit	2162	
	Examiner Name	FLEURANTIN	
Attorney Docket Number		MS1-1889US	

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Application Number	10826161
Filing Date	2004-04-15
First Named Inventor	Hua-Jun Zeng et al.
Art Unit	
Examiner Name	
Attorney Docket Number	MS1-1889US

<i>inf</i>	1	Attardi, G. et al.: "Automatic web Page Categorization by Link and context Analysis" Proceedings of THIA, European Symposium on Intelligence, 1999. *the whole document*	<input type="checkbox"/>
<i>inf</i>	2	Brin S et al: "The anatomy of a large-scale hypertextual web search engine" Computer Networks and ISDN Systems, North Holland Publishing. Amsterdam, NL, Vol. 30, No. 1-7, April 1998, Pages 107-117.	<input type="checkbox"/>
<i>inf</i>	3	Harmandas, V. et al. "Image Retrieval by Hypertext Links" Association For Computing Machinery. Proceedings of the 20th Annual International ACM-SIFIR Conference on Research and Development in Information Retrieval. Philadelphia, PA, July 27-31, 1997, Pages 296-303.	<input type="checkbox"/>
<i>inf</i>	4	Smith, J.R. et al.: "An Image and Video Search Engine for the World-Wide Web" Storage and retrieval for image and video databases 5. San Jose, Feb. 13-14, 1997, Proceedings of SPIE, Bellingham, SPIE, US, Vol. 3022, pages 84-95.	<input type="checkbox"/>
<i>inf</i>	5	Westerveld, T. et al: "Retriving Web Pages using Content, Links, URLs and Anchors" Test Retrieval Conference. Proceedings, XX, XX, 13, November 2001, pages 663-672.	<input type="checkbox"/>
<i>inf</i>	6	EPO Communication with Search Report dated April 3, 2006, from counterpart EP patent application, European Patent Application No. 05102838.9, copy attached, 8 pages.	<input type="checkbox"/>

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	Filing Date		2004-04-15
	First Named Inventor	Hua-Jun Zeng	
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	Examiner Name	FLEURANTIN	
Attorney Docket Number		MS1-1889US	

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/inf	1	20030208482	A1	2003-11-06	Kim, Brian S.; et al.	

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/inf	3	WO9948028			1999-09-23	GLOBALBRAIN NET INC (US)		<input type="checkbox"/>

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Application Number		10828161
Filing Date		2004-04-15
First Named Inventor	Hua-Jun Zeng	
Art Unit	2162	
Examiner Name	FLEURANTIN	
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inf	1	Boyan et al., "A Machine Learning Architecture for Optimizing Web Search Engines", AAAI Workshop on Internet-Based Information Systems, 1996, pp. 1-8, Retrieved from the Internet http://www.cs.cornell.edu/People/tj/publications/boyan_etal_96a.pdf	<input type="checkbox"/>
inf	2	Frei et al., "The Use of Semantic Links in Hypertext Information Retrieval" Information Processing & Management, Elsevier, Barking, GB, vol. 31, no. 1, 2 January 1995, pp. 1-13	<input type="checkbox"/>
inf	3	Li, "Toward a Qualitive Search Engine" Internet Computing, IEEE, vol. 2, no. 4, July 1998, pp. 24-29, Retrieved from the Internet at http://ieeexplore.ieee.org/xpl/abs_free.jsp?arnumber=707687	<input type="checkbox"/>
inf	4	Marchioro, Massimo, "The Quest for Correct Information on the Web: Hyper Search Engines" Computer Networks and ISDN Systems, North Holland Publishing, Amsterdam, NL, vol. 29, no. 8-13, September 1997, pp. 1225-1235	<input type="checkbox"/>

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